

Title (en)

Hydraulic interlock system for a loader tool

Title (de)

Hydraulisches Verriegelungssystem für ein Laderwerkzeug

Title (fr)

Système de verrouillage hydraulique d'un outil de chargeur

Publication

**EP 0943738 B1 20031217 (FR)**

Application

**EP 99460015 A 19990303**

Priority

FR 9803563 A 19980318

Abstract (en)

[origin: EP0943738A1] The locking system for a tool fitted to a carrier frame (2) on a loader arm (B) consists of locks (32,33) controlled by a hydraulic locking cylinder (3). The locking cylinder is fed with fluid through a valve (6) from a pressure chamber (100) such that the locks cannot be released while the pressure is above a set level. The system has two coaxial and opposite locks fixed to the rod and housing of the locking cylinder with springs (20) to release them.

IPC 1-7

**E02F 3/36**

IPC 8 full level

**E02F 3/36** (2006.01)

CPC (source: EP)

**E02F 3/3631** (2013.01); **E02F 3/3663** (2013.01)

Cited by

CN103415665A; EP1637659A3; EP1306489A1; EP1586709A3; EP2886726A1; GB2522968A; FR2900170A1; DE10221942A1; EP1362956A3; US9334623B2; US7001137B2; US7654787B2; WO2012122469A1; WO2004067855A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0943738 A1 19990922**; **EP 0943738 B1 20031217**; DE 69913590 D1 20040129; DE 69913590 T2 20040930; FR 2776316 A1 19990924; FR 2776316 B1 20000616

DOCDB simple family (application)

**EP 99460015 A 19990303**; DE 69913590 T 19990303; FR 9803563 A 19980318